

# Converting Colors

$Yxy(81.0825, 0.3008, 0.3420)$

Have a look what the booklet for  
Yxy(81.0825, 0.3008, 0.3420)  
contains.

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# **Color**

**Yxy(80.9807, 0.3011, 0.3419)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2EFE3
RGB	210, 239, 227
RGB Percent	82%, 94%, 89%
CMY	0.1764, 0.0628, 0.1097
CMYK	0.12, 0.00, 0.05, 0.06
HSL	155°, 48%, 88%
HSV	155°, 12%, 94%
XYZ	71.3170, 80.9807, 84.5572
YIQ	228.9610, -13.4320, -9.8800

# Conversions

## Conversions Part 2

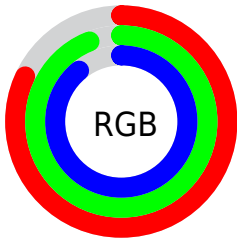
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 228, 239
Decimal	13823971
CIE <sub>Lab</sub>	92.12, -11.70, 2.58
CIE <sub>LCh</sub>	92, 11.982, 167.543
Yxy	80.9807, 0.3011, 0.3419
Android (android.graphics.Color)	4292014051 (0xFFD2EFE3)
YUV	228.9610, -0.9668, -16.6288
Hunter-Lab	89.9893, -16.0190, 7.2814

# Details

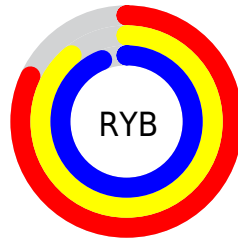
The Yxy color **80.9807, 0.3011, 0.3419** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7307, 0.3260, 0.3165**, and the grayscale version is **78.3449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8141, 0.2979, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **77.2034, 0.2919, 0.3539**, and if you desaturate by 10%, it is **85.3201, 0.3107, 0.3311**.

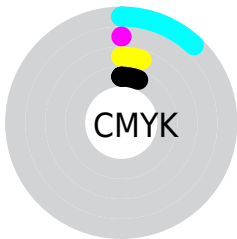
# Distribution



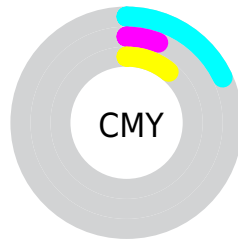
- Red (82%)
- Green (94%)
- Blue (89%)



- Red (82%)
- Yellow (89%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)




- Cyan (18%)
- Magenta (6%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9807, 0.3011, 0.3419 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.9807, 0.3011, 0.3419 by changing the saturation by 10% instead.




 80.9807, 0.3011,  
0.3419

 80.9807, 0.3011,  
0.3419

498.2317, 0.3064,  
0.3360

 60.5257, 0.2999,  
0.3432


134.7437, 0.3029,  
0.3399

 43.8425, 0.2984,  
0.3449

168.8204, 0.3036,  
0.3391

 30.5467, 0.2966,  
0.3470


208.2066, 0.3043,  
0.3384

 20.2539, 0.2942,  
0.3497

253.2865, 0.3048,  
0.3378

 12.5798, 0.2909,  
0.3533

304.4446, 0.3053,  
0.3373

 7.1398, 0.2863,  
0.3586

362.0652, 0.3057,

 3.5497, 0.2793,

0.3368

426.5328, 0.3061,  
0.3364

0.3667

1.4250, 0.2671,  
0.3810

0.2350, 0.0000,  
0.7576

80.9807, 0.3011,  
0.3419

80.9807, 0.3011,  
0.3419

77.2034, 0.2919,  
0.3539

85.3201, 0.3107,  
0.3311


73.9541, 0.2834,  
0.3670

89.6935, 0.3185,  
0.3215


71.2111, 0.2758,  
0.3812


90.2115, 0.3134,  
0.3136


68.9466, 0.2695,  
0.3963

 67.1304, 0.2648,  
0.4122

 65.7287, 0.2620,  
0.4285

 64.7025, 0.2613,  
0.4448

 64.0052, 0.2626,  
0.4608

 63.6302, 0.2647,  
0.4730

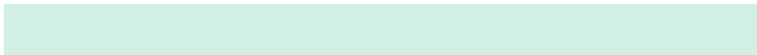
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9807, 0.3148, 0.3508



80.9807, 0.3011, 0.3419



80.9807, 0.2906, 0.3294

# Triad

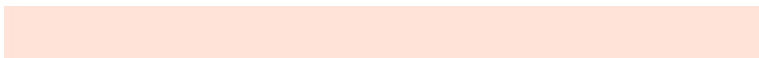
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9807, 0.3011, 0.3419



80.9807, 0.2971, 0.3054



80.9807, 0.3402, 0.3399

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



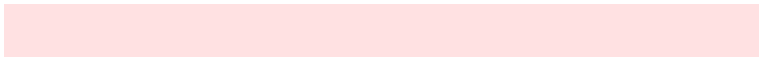
80.9807, 0.3011, 0.3419



69.7307, 0.3260, 0.3165

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9807, 0.3352, 0.3280



80.9807, 0.3011, 0.3419



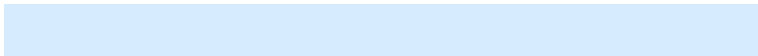
80.9807, 0.3101, 0.3084

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9807, 0.3011, 0.3419



80.9807, 0.2883, 0.3085



80.9807, 0.3242, 0.3166



80.9807, 0.3376, 0.3493



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9807, 0.3011, 0.3419



80.9807, 0.2868, 0.3210



80.9807, 0.3242, 0.3166



80.9807, 0.3394, 0.3361

# Sweetspot

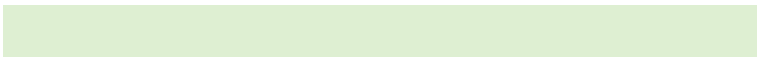
The Sweet Spot groups the original color and five complimentary colors.



80.9841, 0.3011, 0.3419



97.8478, 0.3088, 0.3331



81.9310, 0.3193, 0.3600



20.8594, 0.3081, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

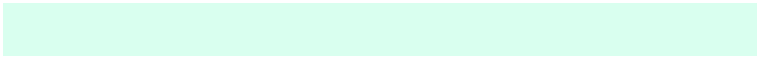


# Same Dimension

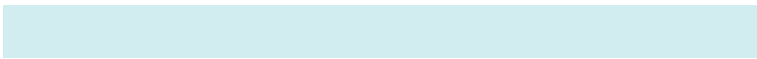
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9841, 0.3011, 0.3419



92.4763, 0.2984, 0.3453



80.2647, 0.2941, 0.3264



17.8120, 0.3036, 0.3389



35.1910, 0.2640, 0.4705



2.9473, 0.2583, 0.4499



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.7307, 0.3260, 0.3165



76.6153, 0.3297, 0.3133



70.3123, 0.3343, 0.3316



15.8672, 0.3228, 0.3193



10.6616, 0.5322, 0.2705

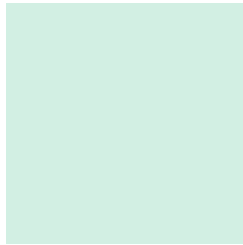


0.9063, 0.4980, 0.2517



# Previews

## White Background



This preview shows how the Yxy color 80.9807, 0.3011, 0.3419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

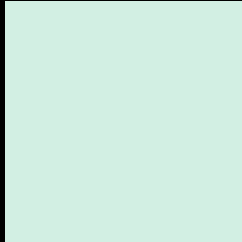
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9807, 0.3011, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

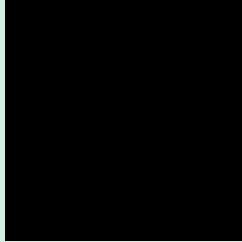
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

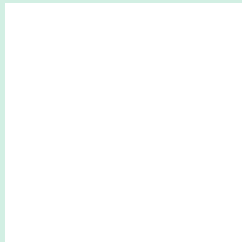
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.9807, 0.3011, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9807, 0.3011, 0.3419.

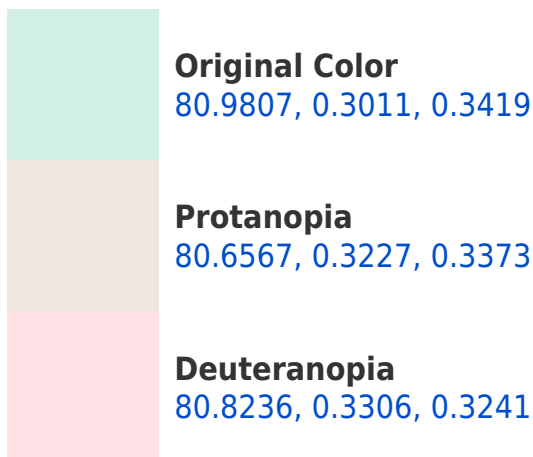


This preview shows how white text looks on a background with the Yxy color 80.9807, 0.3011, 0.3419.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

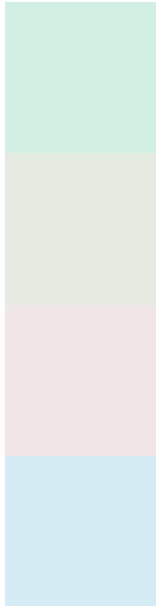




## Tritanopia

81.0195, 0.2886, 0.3092

# Trichromacy



**Original Color**

80.9807, 0.3011, 0.3419

**Protanomaly**

80.7214, 0.3149, 0.3395

**Deuteranomaly**

80.6015, 0.3195, 0.3300

**Tritanomaly**

80.6687, 0.2931, 0.3205

# Monochromacy



**Original Color**

80.9807, 0.3011, 0.3419

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.4089, 0.3084, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9807, 0.3011, 0.3419 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 239, 227)` looks like.

```
.text, #text, p{  
    color:rgb(210, 239, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 239, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9807, 0.3011, 0.3419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 239, 227) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(210, 239, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(210, 239, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(210, 239,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9807, 0.3011, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 239, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210,  
239, 227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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